

In the Claims:

Please amend Claim 38 as indicated below (the changes in this Claim are shown with ~~strikethrough~~ or [[double brackets]] for deleted matter and underlines for added matter). In addition, please add claims 41-44. A complete listing of the claims appears below with proper claim identifiers.

Claims 1-20 (Cancelled)

21. (Previously Presented) A barbed stent for deployment within the body of a patient, comprising:

a wire having at least one bend;

wherein each of the at least one bend connects to at least two struts; and

barbs extending in a generally transverse direction from a longitudinal axis of the stent;

wherein the barbs are integral with the wire and configured to engage tissue adjacent the stent; and

wherein, in a step performed prior to the step in which the wire is formed into a final stent shape, the wire is oriented such that the barbs point in a predetermined direction relative to a longitudinal axis of the final stent shape.

22. (Original) The stent of claim 21, wherein the wire is in a zigzag shape.

23. (Withdrawn) The stent of claim 21, wherein the barbs form an acute angle to the longitudinal axis.

24. (Original) The stent of claim 21, wherein at least one of the barbs is positioned on the at least one bend.

25. (Withdrawn) The stent of claim 21, wherein at least one of the barbs is positioned on each strut.

26. (Withdrawn) The stent of claim 21, wherein the barbs point in an approximately distal direction.

27. (Original) The stent of claim 21, wherein the stent is adjacent to a proximal end of an endoluminal prosthesis.

28. (Withdrawn) The stent of claim 27, wherein the at least two struts extend away from the proximal end of the endoluminal prosthesis in a proximal direction.

29. (Withdrawn) The stent of claim 28, wherein the endoluminal prosthesis is adapted to be deployed at least partially within the aorta, so that the stent can extend at least partially above a renal artery when the prosthesis is implanted.

30. (Withdrawn) The stent of claim 29, wherein the prosthesis is a bifurcated aortic prosthesis.

31. (Previously Presented) An endoluminal prosthesis, comprising:
a substantially cannular body having proximal and distal ends; and
a stent affixed to the substantially cannular body near the proximal end;

wherein the stent has integral barbs extending therefrom;

wherein, in a step performed prior to the step in which the stent is formed into a final stent shape, the stent is oriented such that the barbs point in a predetermined direction relative to a longitudinal axis of the final stent shape; and

wherein the stent and the integral barbs are configured so that they can engage tissue adjacent to the stent when the endoluminal prosthesis is deployed.

32. (Withdrawn) The endoluminal prosthesis of claim 31, wherein the substantially cannular body is bifurcated.

33. (Withdrawn) The endoluminal prosthesis of claim 32, wherein the substantially cannular body is configured for deployment at least partially within an aortic lumen.

34. (Withdrawn) The stent of claim 22, wherein at least one of the barbs forms an acute angle to the longitudinal axis.

35. (Withdrawn) The stent of claim 34, wherein the barbs are positioned on the at least one bend.

36. (Previously Presented) The prosthesis of claim 31, wherein the stent is in a zigzag shape.

37. (Previously Presented) The prosthesis of claim 31, wherein the barbs are positioned on the at least one bend.

38. (Currently Amended) The prosthesis of claim ~~[[37]]~~21, wherein the barbs are positioned on the at least one bend.

39. (Withdrawn) The prosthesis of claim 31, wherein at least one of the barbs forms an acute angle to the longitudinal axis.

40. (Withdrawn) The prosthesis of claim 38, wherein at least one of the barbs forms an acute angle to the longitudinal axis.

41. (New) A barbed stent for deployment within the body of a patient, comprising:

a wire having at least one bend that connects to at least two struts; and
at least one barb integrally formed on the wire so that the at least one barb extends from the wire in a first direction;

wherein the wire is bent so that the struts extend in a second direction that is generally transverse to the first direction, thereby forming a stent, the barbs being configured to engage tissue adjacent the stent.

42. (New) The stent of claim 41, wherein the wire is in a zigzag shape.

43. (New) The stent of claim 41, wherein at least one of the barbs is positioned on the at least one bend.

44. (New) The stent of claim 41, wherein the stent is adjacent to a proximal end of an endoluminal prosthesis.